

FITC anti-mouse CD90.2 (Thy-1.2)

Catalog # / Size: 140303 / 50 µg
140304 / 500 µg

Clone: 53-2.1

Isotype: Rat IgG2a, κ

Immunogen: Mouse thymus or spleen

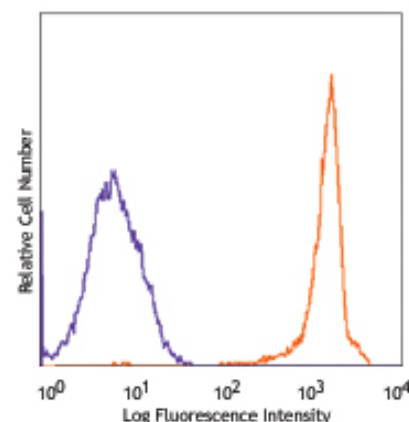
Reactivity: Mouse, Does not react with Thy-1.1 (CD90.1)

Preparation: The antibody was purified by affinity chromatography, and conjugated with FITC under optimal conditions. The solution is free of unconjugated FITC.

Formulation: Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide.

Concentration: 0.5 mg/ml

Storage: The antibody solution should be stored undiluted at 4°C and protected from prolonged exposure to light. **Do not freeze.**



C57BL/6 mouse thymocytes stained with CD90.2 (53-2.1) FITC

Applications:

Applications: FC - Quality tested

Recommended Usage: Each lot of this antibody is quality control tested by immunofluorescent staining with flow cytometric analysis. For immunofluorescent staining, the suggested use of this reagent is ≤0.25 µg per million cells in 100 µl volume. It is recommended that the reagent be titrated for optimal performance for each application.

Application Notes: Additional reported applications (for the relevant formats) include: immunohistochemical staining¹ of frozen tissue section, immunofluorescence², and immunoprecipitation³.

Application References:

1. Aldrich M, *et al.* 2003. *J. Immunol.* 171:5562. (IHC)
2. Jameson J, *et al.* 2004. *J. Immunol.* 172:3573. (IF)
3. Okada C, *et al.* 1990. *J. Immunol.* 144:3473. (IP)

Description: CD90.2 is a 25-35 kD immunoglobulin superfamily member also known as Thy-1.2, a GPI-linked membrane molecule. It is expressed on hematopoietic stem cells and neurons, all thymocytes, and peripheral T cells in Thy1.2 bearing mouse strains (Balb/c, CBA/J, C3H/He, C57BL/-, DBA, NZB/-). CD90.2 is a glycosylphosphatidylinositol (GPI)-anchored membrane glycoprotein involved in signal transduction. CD90.2 is involved in costimulation of lymphocyte proliferation and induction of hematopoietic stem cells differentiation. CD90.2 has been shown to interact with CD45.

Antigen References:

1. Borrello M, *et al.* 1996. *Cell. Immunol.* 173:198.
2. Radrizzani M, *et al.* 1995. *J. Neurosci. Res.* 42:220.
3. Williams A, *et al.* 1982. *Science* 216:696.

Related Products:	Product	Clone	Application
	FITC Rat IgG2a, κ Isotype Ctrl	RTK2758	FC, ICFC
	Cell Staining Buffer		FC, ICC, ICFC
	RBC Lysis Buffer (10X)		FC, ICFC
	TruStain fcX™ (anti-mouse CD16/32)	93	FC



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